



engineered
to perform

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90% built
in 7 days

7

durability
for decades

10



HBPC Series Cradle Mount Drum Fans

Direct-Drive Portable Barrel Fans

When you need big air aimed exactly where the work is, Triangle Engineering's HBPC Series delivers. Built on the proven PC Series platform, the HBPC adds a heavy-duty steel cradle with positive tilt control for precise, directional airflow, tilt up for destratification, level across aisles, or down onto equipment and work cells. Available in 36", 42", and 48" diameters with $\frac{1}{2}$ HP and 1 HP motor options, these direct-drive drum fans move 10,900–19,100 CFM to cool people, products, or heat-prone equipment. Each unit ships fully assembled and performance-tested, ready to get to work on day one, no complicated setup required. With factory-stocked replacement parts, OSHA-compliant guards, and flexible electrical configurations, the HBPC Series delivers serious directional cooling for the toughest industrial environments.

KEY FEATURES

- Heavy-duty steel cradle with positive tilt control for precise, directional aiming
- Direct-drive simplicity, no belts or pulleys to maintain
- Two-speed motor options for adjustable high/low airflow
- Deep-pitch steel blades for high-volume air delivery
- Heavy-duty painted-steel barrel with roll-formed "ogee" profile for added rigidity

IDEAL USE CASES

- **Assembly Lines & CNC Cells:** Precision spot-cooling aimed exactly where crews and equipment need it
- **Warehouses & Distribution Centers:** Move massive volumes of air across open floor plans and cross-dock lanes
- **Rental Fleets & Event Cooling:** Rugged, portable units built to handle job-site and temporary deployment
- **Welding & Fabrication Support:** Position to help direct fumes away from the weld zone without blowing on the arc

Why HBPC?

Reliability and Durability

Triangle Engineering has been an industry leader since 1948. HBPC fans are built in the USA with a blend of domestic and foreign components. Unlike disposable imports, they're designed to be maintained, not thrown away. Every unit is backed by stocked replacement parts and fast support, so your fan stays running.

Directional Control, Industrial Strength

The HBPC's heavy-duty steel cradle and reinforced pivot hardware put high-velocity air exactly where you need it. Tilt up for destratification, level for cooling across aisles, or aim down onto heat-prone equipment, all with a positive-tilt lock that holds position through continuous duty, daily moves, and rough transport. Built on the proven PC Series platform, the "ogee" barrel profile adds rigidity while deep-pitch steel blades deliver relentless CFM.

Flexible Power Options

From standard 115V plug-and-cool operation to 230V single-phase and three-phase configurations, the HBPC Series adapts to any facility's power scheme. Choose ½ HP for efficient single- or two-speed cooling, or step up to 1 HP for maximum air delivery in the most demanding applications.

Technical & Performance Specifications

Blade Diameters

36", 42", and 48"

Airflow (CFM)

10,900 – 19,100
(model and HP dependent)

Electrical

115V single-phase cord & plug (standard);
230V 1-ph and 3-ph available

Drive System

Direct drive with sealed ball bearings

Cradle

Heavy-duty steel with positive tilt control

Fully Assembled & Performance-Tested

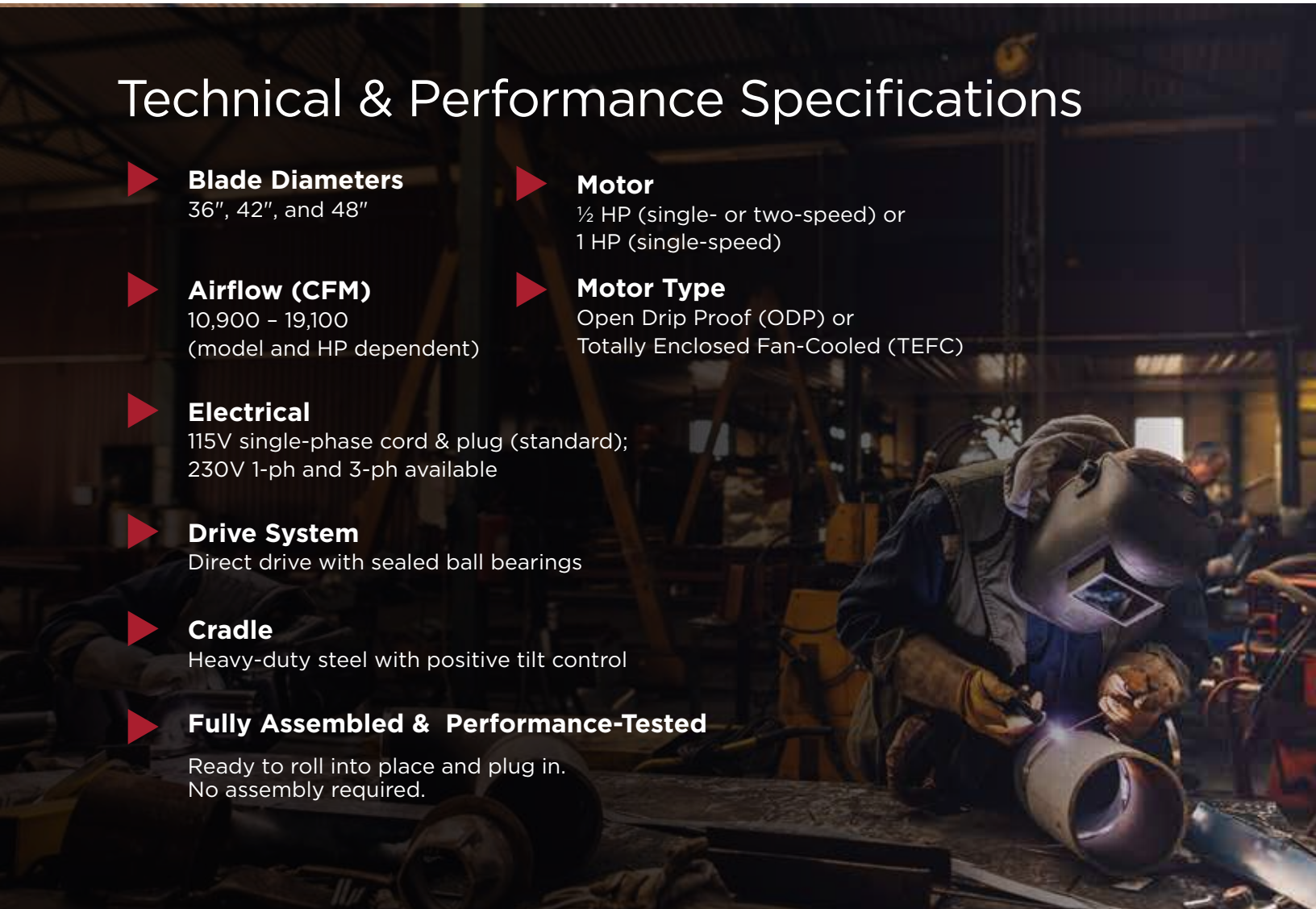
Ready to roll into place and plug in.
No assembly required.

Motor

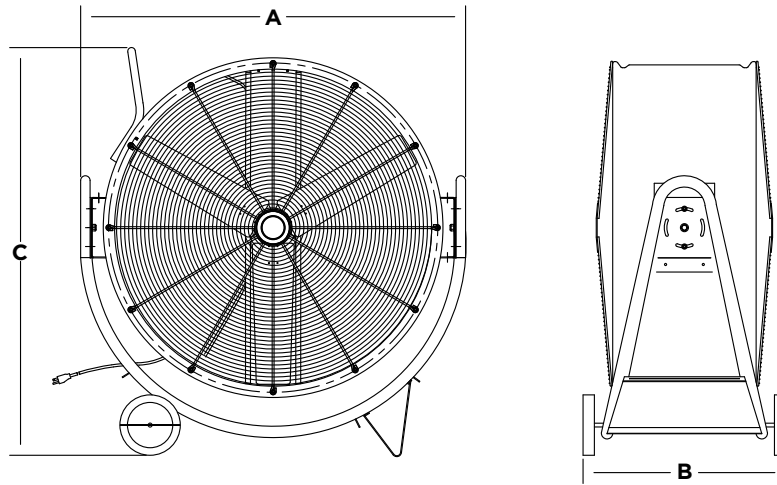
½ HP (single- or two-speed) or
1 HP (single-speed)

Motor Type

Open Drip Proof (ODP) or
Totally Enclosed Fan-Cooled (TEFC)



HBPC Ordering & Model Information



Model	Blade Diameter	CFM	RPM	HP	Amps	Width A	Depth B	Height C	Approximate Weight
HBPC3613	36"	10,900	825	1/2	6.0	45"	27"	50"	192
HBPC3623	36"	10,900 / 8,800	825 / 680	1/2	6.0	45"	27"	50"	192
HBPC4213	42"	13,600	825	1/2	6.0	51"	27"	54"	202
HBPC4213-W*	42"	13,600	825	1/2	3.0	51"	27"	54"	202
HBPC4223	42"	13,600 / 10,500	825 / 680	1/2	6.0	51"	27"	54"	202
HBPC4815	48"	19,100	850	1	9.1	58"	27"	60"	228
HBPC4815-W*	48"	19,100	850	1	4.5	58"	27"	60"	228

*230V 1 Ø motor

Built to Last, Not to Toss

Every HBPC fan is fully supported with stocked replacement parts: blades, guards, motors, and wheels, and switches. So maintenance is fast and downtime stays short. The HBPC Series is built to be serviced, not tossed, keeping your fan in operation for years instead of ending up in a landfill.

While low-cost imports flood the market with disposable fans, Triangle Engineering builds portable cooling that's designed for the long haul, with real replacement parts, real support, and real durability behind every unit.



Why Choose Triangle Engineering?

A Legacy of Quality Since 1948

For more than seven decades, we have specialized in crafting top-tier ventilation products that stand up to demanding industrial environments. Our fans are factory-assembled, rigorously tested, and supported by an experienced customer service team.

More Portable Cooling Options

Need more power, a different size, or a mounted configuration? Triangle Engineering offers a complete range of portable barrel fans, belt-driven and direct-drive, floor-standing and wall or ceiling mounted across a wide range of diameters and horsepower options. Contact us to learn more.



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